



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

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Memorandum

From: Genifer Maree Tarkowski, M.S., M.P.S.  
Environmental Field Branch  
Field and External Affairs Division

To: Arthur-Jean Williams, Chief  
Environmental Field Branch  
Field and External Affairs Division

Subject: Effects Determination for Carbofuran for Certain Pacific Anadromous Salmonids

I reviewed data and other information for **Carbofuran**, a registered insecticide named by the Washington Toxics Coalition (WTC) and included in the court order for 'effects determinations' and potential consultation with the National Marine Fisheries Service. Carbofuran is registered nationally for use on a wide variety of agricultural crops, ornamental operations and other uses. The Environmental Fate and Effects Division (EFED) is working on an environmental risk assessment for Carbofuran.

I have adapted the more general findings of the EFED draft assessment to develop an analysis of the potential for effects on endangered and threatened Pacific salmon and steelhead Evolutionary Significant Units (ESUs) from current uses in California and the Pacific Northwest. My analysis addresses changes in uses and rates that have been put on most labels since the RED was developed. EFED has also developed new EECs for selected use sites that correspond with these changes.

Based upon the available information, I determined that some use of Carbofuran on crops may affect 3 ESUs under labeled application directions, may affect but is not likely to adversely affect 18 ESUs, and will have no effect on 3 ESUs.

attachment:

Carbofuran: Analysis of Risks to Endangered and Threatened Salmon and Steelhead  
(with attachments)

